

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 11101119
PUBLICATION DATE : 13-04-99

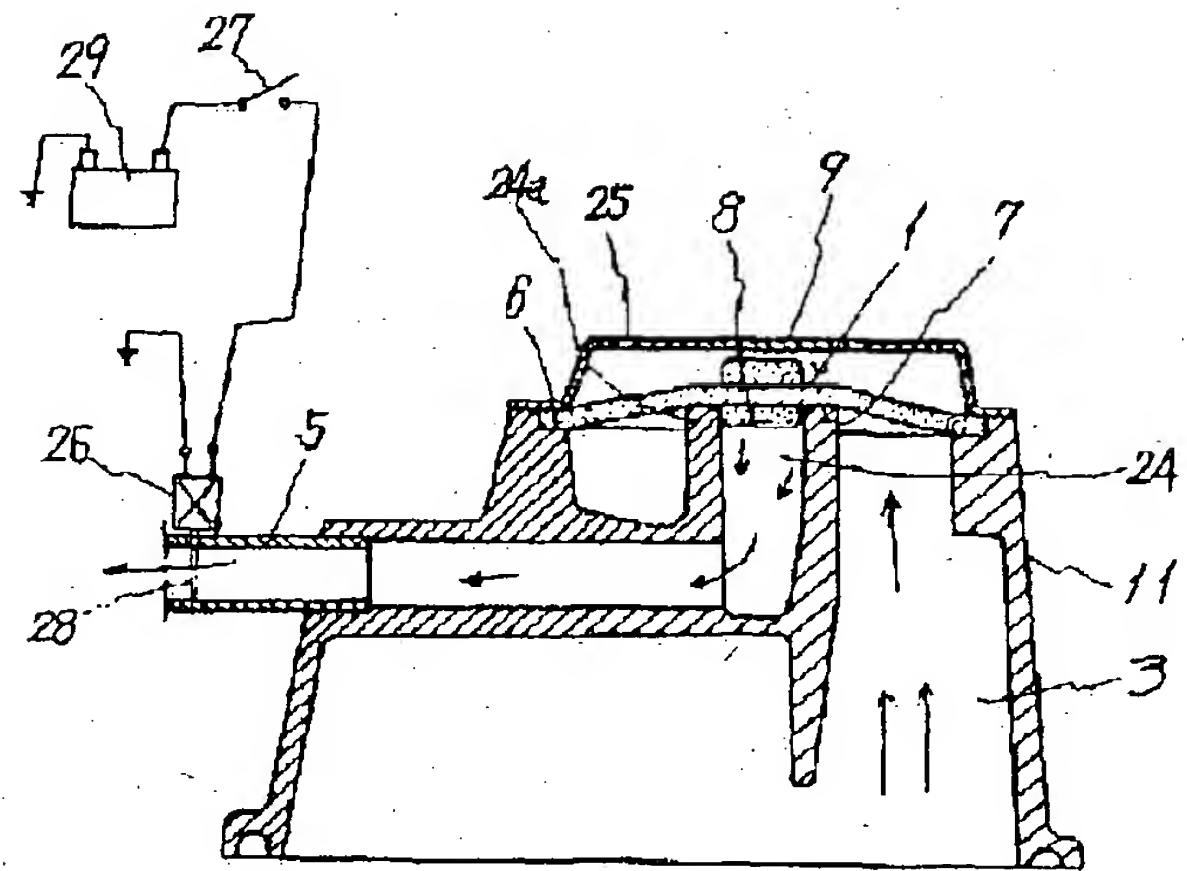
APPLICATION DATE : 26-09-97
APPLICATION NUMBER : 09262051

APPLICANT : ISEKI & CO LTD;

INVENTOR : SHINOMIYA TOORU;

INT.CL. : F01M 13/00 F02F 7/00

TITLE : ENGINE CRANKCASE EMISSION
CONTROL SYSTEM



ABSTRACT : PROBLEM TO BE SOLVED: To provide an engine crankcase emission control system in which a shut-off valve is drawn toward the closing side by vacuum on the intake manifold side during operation of an engine, so that it is not opened until the pressure of blow-by gas in a cylinder body becomes higher than that of a conventional one, and accordingly, the consumption of lubricating oil can be minimized even though overrun occurs during stopping.

SOLUTION: In an engine crankcase emission control system, a shut-off valve 1 made of a thin thick elastic material in a planar shape as viewed in a side view, is provided between a high pressure passage 3 communicated with the cylinder body side, and a low pressure passage 5 communicated with the intake manifold side, so as to be openable and closable. Further, when the outer peripheral part of the shut-off valve 1 is locked to an attaching seat 6 while a pressing surface 7 formed on one side of the center part of the shut-off valve 1 is made into contact with the high-pressure passage 3, the planar shut-off valve 1 is pressed toward the other side until it is elastically deformed, as viewed in a side view, and is then attached thereto.

COPYRIGHT: (C)1999,JPO